





## Manufacturer Information

for users regarding software- and hardware changes  
(According to NAMUR-Recommendation 53)

Conductivity:

- New concentration tables for conductivity
  - NaOH 0-15%,
  - NaOH 18-50%,
  - HCl 0-20%,
  - HNO<sub>3</sub> 0-25%,
  - HNO<sub>3</sub> 24-30%,
  - H<sub>2</sub>SO<sub>4</sub> 0-28%,
  - H<sub>2</sub>SO<sub>4</sub> 40-80%,
  - H<sub>2</sub>SO<sub>4</sub> 93-100%,
  - H<sub>3</sub>PO<sub>4</sub> 0-49%,
  - NaCl 0-26%

### 3 Compatibility (Firmware, Hardware I)

Is the new firmware version compatible with the previous version, the installed device software drivers, or service tools and/or is the new hardware I version compatible with the previous hardware I version?

Yes

No, description:

All fieldbus driver have been revised and a new device type was given.

Is a firmware update and/or the exchange of hardware I components generally recommended?

Yes, reason:

The update/exchange can be performed as follows:

- Exchange of printed circuit boards: I/O- and measuring amplifier.  
(This procedure is described in the operating instructions of the measuring system).
- Flashing the new soft-/ firmware .

No, Reason:

Update only necessary, if function enhancements are desired.

### 4 Operating Instruction

Is a new operating instruction necessary due to the modification due to section 2?

Yes

No



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Which operating instruction corresponds to the new firmware and/or hardware I:

A new operation instruction corresponding to the device configuration can be requested at the following URL:

<http://www.endress.com/en/pages/liquiline-cm42-operating-instructions-documentation>

### 5 Price

Does the price of the device change compared to its predecessor version?

- Yes, new price list and updated costs (without installation) are attached
- No